

I claim:

1. A combination barbecue, smoker and fire pit assembly, said assembly having removable and changeable components to selectively put said assembly in a barbecue mode, a smoker mode and a fire pit mode, said assembly comprising:
  - a base having an open top end, a closed bottom end, and a body portion;
  - a removable fire pit central housing, said fire pit central housing having an open top end, an open bottom end and a sidewall extending from said top end to said bottom end, said sidewall defining a heating compartment, wherein said top end of said base supports said fire pit central housing, said fire pit central housing being installed with said base when in the fire pit mode, and being removable from said base when said assembly is in the barbecue mode or the smoker mode;
  - a smoker central housing, said smoker central housing having an open top end, an open bottom end and a sidewall extending from said top end to said bottom end, said sidewall defining a smoking compartment, wherein said top end of said base supports said smoker central housing, said smoker central housing being installed with said base when in the smoker mode, and being removable from said base when said assembly is in the barbecue mode or the fire pit mode
  - a lid removably mounted to the top end of a selected one of said base, said fire pit central housing and said smoker central housing,
  - said device being alternatable between a barbecue grill mode, a fire pit/heating mode and a smoker mode.
2. The assembly according to claim 1 wherein said base further includes a heat source support for supporting a heat source and at least one food support grid for supporting

food to be cooked or smoked secured in said base above said heat source support, said heat source support being movable between a first, lower position when said assembly is in the barbecue mode or the smoker mode and a second, upper position when said assembly is in the fire pit mode, and said food support grid being at said upper position when said assembly is in the barbecue mode and being removable from said device when said assembly is in the fire pit mode.

3. The assembly according to claim 1 wherein said smoker central housing further includes said food support grid secured within said smoker central housing at an upper position while said assembly is in the smoker mode.
4. The assembly according to claim 1 wherein said fire pit central housing sidewall is a cylindrical foraminous wall.
5. The assembly according to claim 1 wherein said smoker central housing sidewall is a cylindrical solid wall.
6. The assembly according to claim 1 wherein said heat source is selected from the group consisting of a burner for combustible gas, an electrical heating element and combustible material.
7. The assembly according to claim 1 wherein said base further includes at least one additional support for supporting smoke generating materials while said assembly is in said smoker assembly mode, said at least one additional support being secured in said base between said heat source support at said lower position and said cooking grid at said upper position in said smoker central housing.
8. The assembly according to claim 1 wherein said base further includes an accessible door for providing access into said base.

9. The assembly according to claim 1 wherein said fire pit central housing further includes an accessible foraminous door for providing access into said fire pit housing.